Lab Assignment VIII
Report
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Application Name(MyIonicApp): A Custom Reddit App showing Latest News about Television Shows in USA using Ionic Framework.
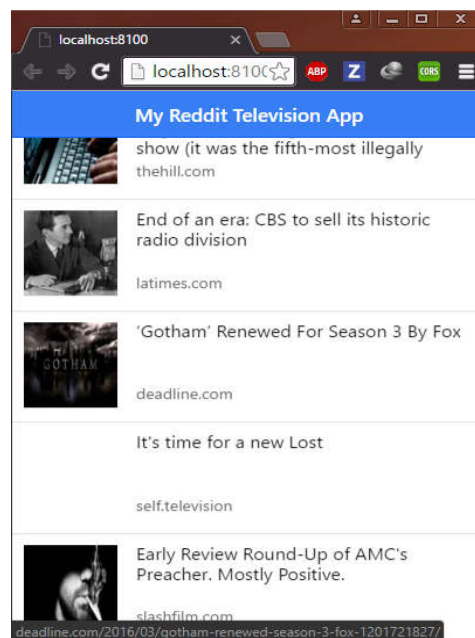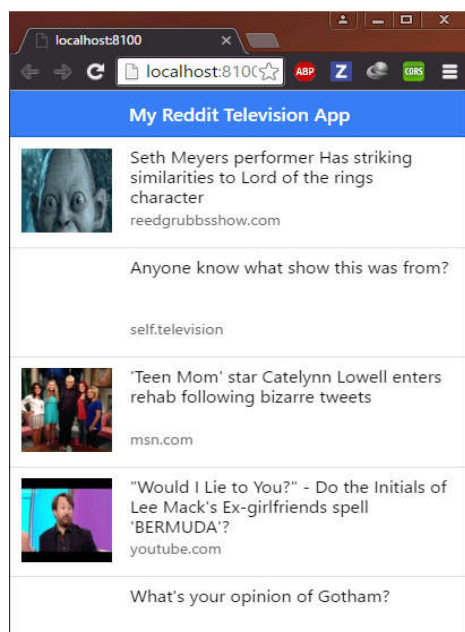
Application Function: The Ionic Application can be used to view latest news about Television shows in USA, The data from app is powered by a Subreddit "Television" in the form of json files. This app also has "Infinite Scroll" which allows user to browse all the older stories in the forum and it also has "Refresh Pull" which allows user to refresh the app with new stories on pulling the app screen from top.

Tools Used:
Adobe Brackets
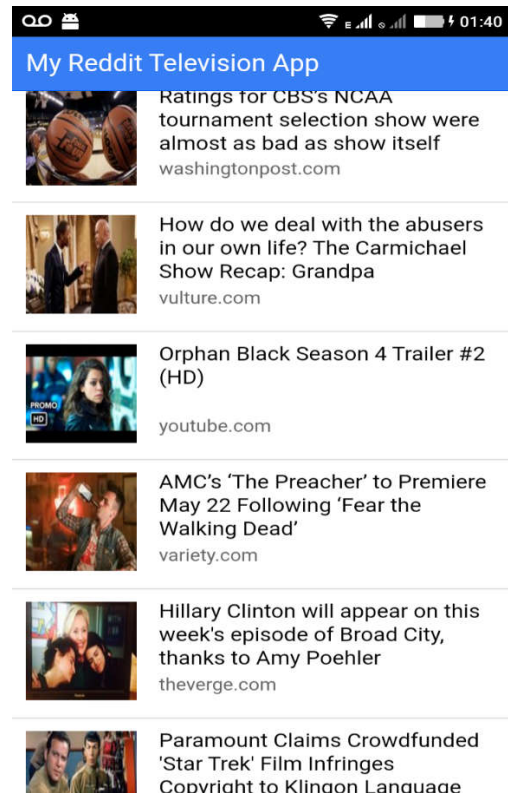
Number of Pages: 1
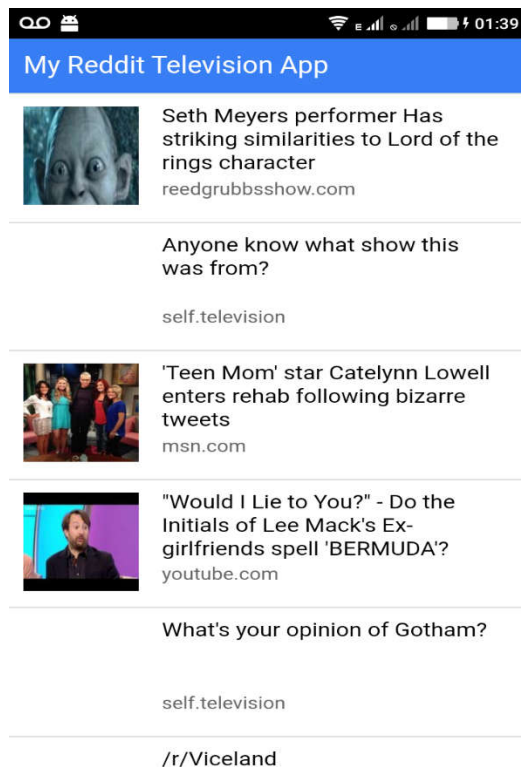Index.html

Working:

The Application can be opened in both Web Browser and as Mobile Application, as it is built from Ionic Framework. The user can view all the latest news about television shows. user can also view older stories by scrolling down and newer stories by pulling from the top refreshing the App. When a story is selected, the user is redirected to the story in a webpage.

Android App:

Unit Testcases:

```
C:\Users\Chaitanya\MyIonicApp\tests>karma start my.conf.js
16 03 2016 23:52:53.831:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/angular/angular.js" does no
t match any file.
16 03 2016 23:52:53.855:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/node_modules/angular-mocks/angular-
mocks.js" does not match any file.
16 03 2016 23:52:53.858:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/ionic/js/ionic.js" does not
 match any file.
16 03 2016 23:52:53.861:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/ionic/js/ionic-angular.js"
does not match any file.
16 03 2016 23:52:53.864:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/angular-animate/angular-ani
mate.js" does not match any file.
16 03 2016 23:52:53.866:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/angular-sanitize/angular-sa
nitize.js" does not match any file.
16 03 2016 23:52:53.868:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/angular-ui-router/release/a
ngular-ui-router.js" does not match any file.
16 03 2016 23:52:53.873:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/angular-ui-router/src/*.js"
 does not match any file.
16 03 2016 23:52:53.875:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/lib/platform/platform.js" does
not match any file.
16 03 2016 23:52:53.879:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/js/*.js" does not match any file.
16 03 2016 23:52:53.881:WARN [watcher]: Pattern "C:/Users/Chaitanya/MyIonicApp/tests/www/js/*.js" does not match any fil
e.
16 03 2016 23:52:53.912:WARN [karma]: No captured browser, open http://localhost:9876/
16 03 2016 23:52:53.951:INFO [karma]: Karma v0.13.22 server started at http://localhost:9876/
16 03 2016 23:52:53.977:INFO [launcher]: Starting browser PhantomJS
16 03 2016 23:52:56.431:INFO [PhantomJS 2.1.1 (Windows 8 0.0.0)]: Connected on socket /#RXvUlujripXoD6c8AAAA with id 561
30050
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 3 of 3 SUCCESS (0.011 secs / 0.004 secs)
```

Lab 6 Task in Ionic:

Application Name(MyApplication): An Ionic Application calling the REST Services.

Application Function: This Ionic Application allows users to select an option from the given list of choices of finding the areas. These areas are calculated and brought by REST Service we have created in Lab 6.
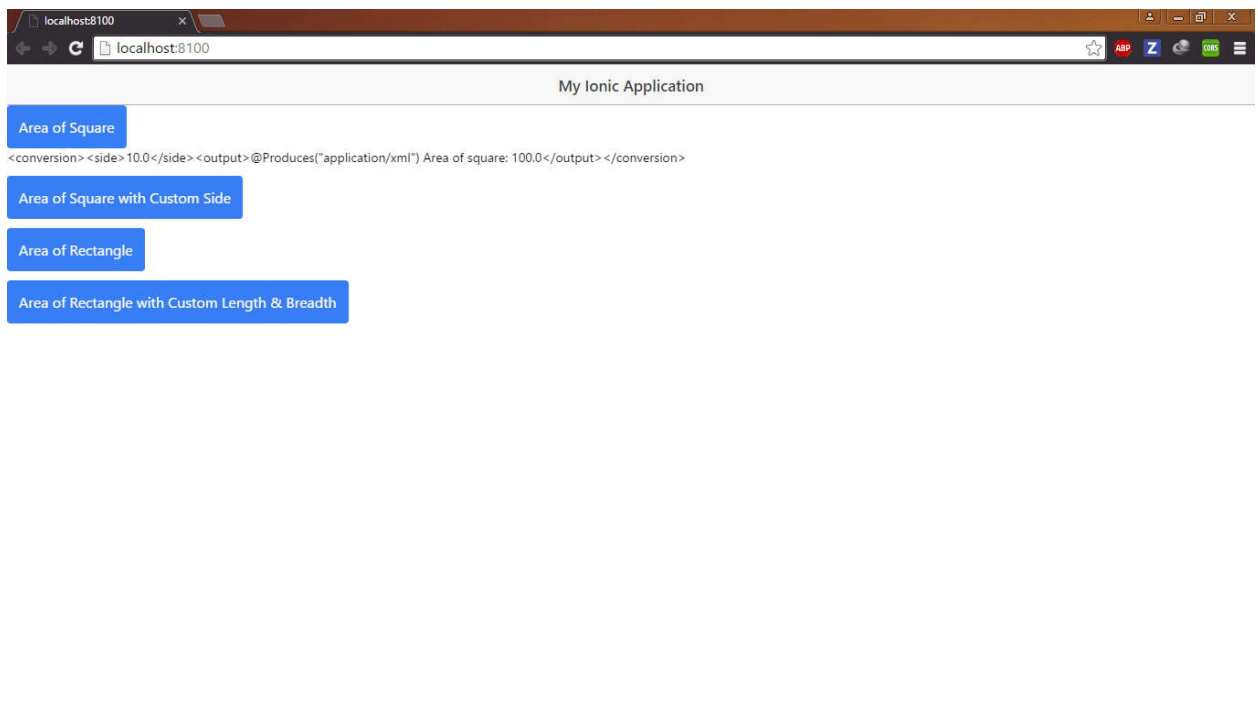
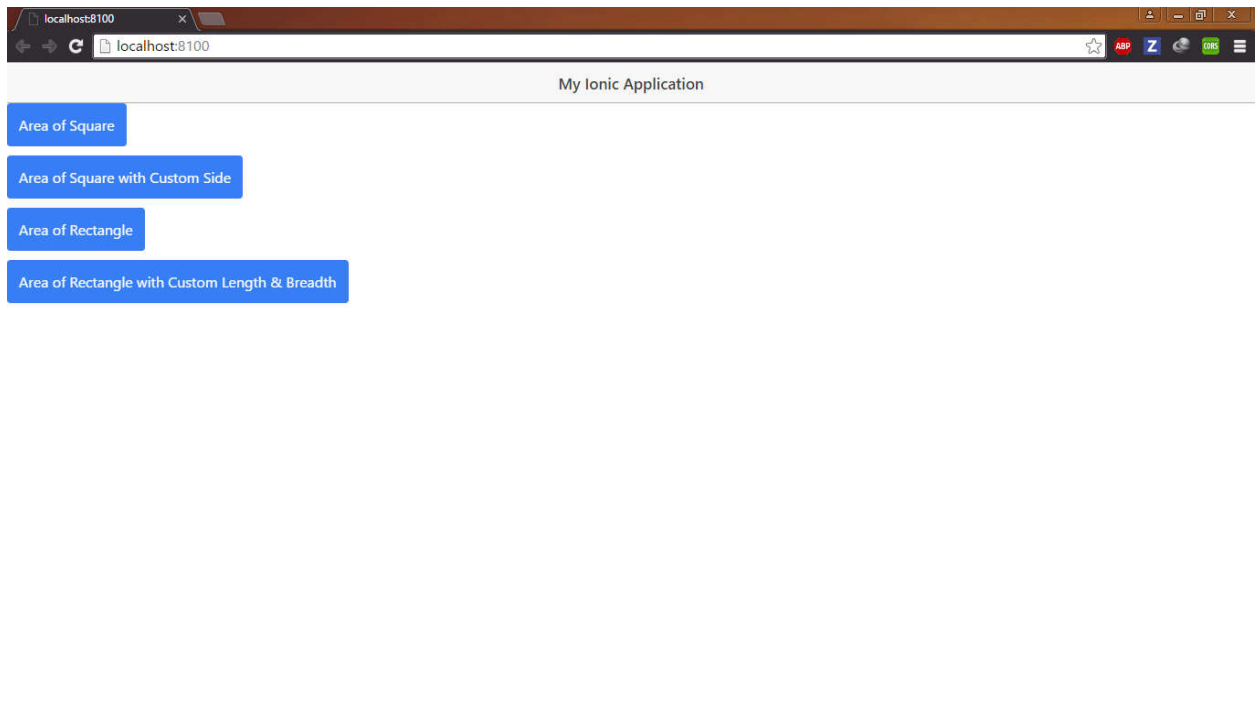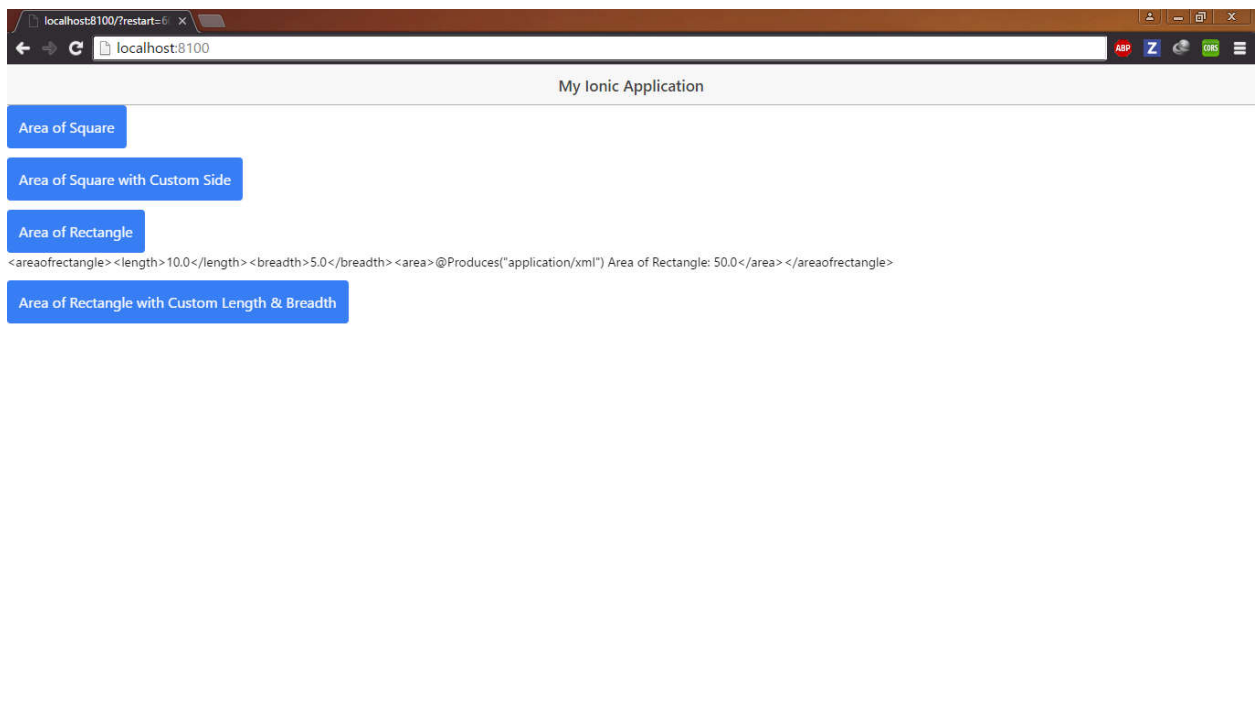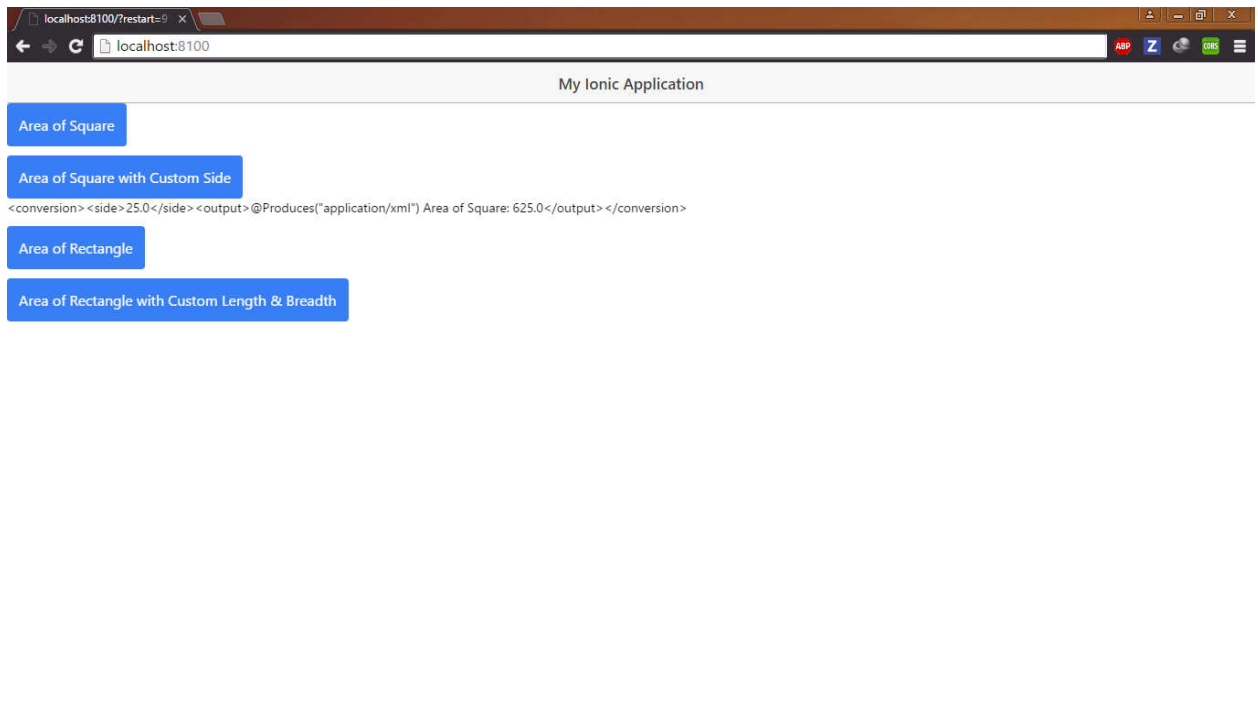Tools Used:

Eclipse
Apache Tomcat Server
Adobe Brackets

Working:

The Application has a simple layout with a list of choices as buttons. When a user clicks on these buttons the rest service is called through http.get method in angular and the result is shown in the area below the button.

<conversion><side>10.0</side><output>@Produces("application/xml") Area of square: 100.0</output></conversion>

localhost:8100

My Ionic Application

Area of Square

Area of Square with Custom Side

<conversion><side>25.0</side><output>@Produces("application/xml") Area of Square: 625.0</output></conversion>

Area of Rectangle

Area of Rectangle with Custom Length & Breadth

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localhost:8100

My Ionic Application

Area of Square

Area of Square with Custom Side

Area of Rectangle

<areaofrectangle><length>10.0</length><breadth>5.0</breadth><area>@Produces("application/xml") Area of Rectangle: 50.0</area></areaofrectangle>

Area of Rectangle with Custom Length & Breadth

My Ionic Application

Area of Square

Area of Square with Custom Side

Area of Rectangle

Area of Rectangle with Custom Length & Breadth

<areaofrectangle><length>10.0</length><breadth>25.0</breadth><area>@Produces("application/xml") Area of Rectangle: 250.0</area></areaofrectangle>

References:

1. http://ionicframework.com/docs/

2. http://mcgivery.com/unit-testing-ionic-app/

3. https://www.thepolyglotdeveloper.com/2014/08/make-http-requests-android-ios-ionicframework/